

## Analysis

Presently almost all developed areas within Southern Pines are served by sanitary sewer. Some sewer extensions will be needed to serve areas in town as they develop. Outside of town, there are presently large areas not served by sewer. Areas such as Weymouth Heights, Pinedene, and Manly need sanitary sewer. Sewer lines constructed in the Manly area could be connected to the present gravity flow system. Pinedene and Weymouth Heights are not in the same drainage basin as Southern Pines, and they would require more extensive facilities. As a temporary measure, they could be served by pumping stations. Over a long period of time, a new waste treatment plant would be more practical to serve these areas.

The existing waste treatment plant is operating at approximately 80 percent capacity at present. On days of high use, it is being operated at capacity and above.

There are several alternatives for increasing the town's capacity to treat sewage. Additional settling tanks could increase the capacity of the present plant by approximately 50 percent. A second alternative would be to build a larger plant further north along McDeeds Creek. Such a plant would be able to serve all the areas presently on the Southern Pines sewer system, and it would allow additional gravity flow expansion of the system in areas north of town. A third alternative would be to construct a plant south of town to serve the Pinedene and Weymouth Heights areas. A plant south of town could serve these areas not now served but would be of little help in meeting present expanding needs in town. See Drainage Basins Map.

## Recommendations

1. The town should expand the present waste treatment plant by adding new settling basins. This should adequately serve the present incorporated area during the planning period.
2. Southern Pines should not assume the responsibility for providing sewer to Weymouth Heights or Pinedene unless